

● PRINTER RUSH ●

(PTO ASSISTANCE)

Application :	<u>09/517680</u>	Examiner :	<u>Ludlow</u>	GAU :	<u>1743</u>
From :	<u>N/93</u>	Location :	<u>IDC</u> FMF FDC	Date :	<u>8-1-05</u>
Tracking #:			<u>06059041</u>	Week Date: <u>12-27-04</u>	

DOC CODE	DOC DATE	MISCELLANEOUS
<input type="checkbox"/> 1449	_____	<input type="checkbox"/> Continuing Data
<input type="checkbox"/> IDS	_____	<input type="checkbox"/> Foreign Priority
<input type="checkbox"/> CLM	_____	<input type="checkbox"/> Document Legibility
<input type="checkbox"/> IIFW	_____	<input type="checkbox"/> Fees
<input type="checkbox"/> SRFW	_____	<input type="checkbox"/> Other
<input checked="" type="checkbox"/> DRW	<u>9-17-2003</u>	
<input type="checkbox"/> OATH	_____	
<input type="checkbox"/> 312	_____	
<input type="checkbox"/> SPEC	_____	

[RUSH] MESSAGE: Attn.: Chief Draftperson

Line through drawings pages 1-12 caused by a flaw in the copying process.

Thank you,
N/93

[XRUSH] RESPONSE: _____

DRAWINGS CORRECTED

8-4-2005

INITIALS [Signature]

NOTE: This form will be included as part of the official USPTO record, with the Response document coded as XRUSH.
REV 10/04



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Examiner: J. Ludlow Group Art Unit: 1743
Applicant: Mark A. Burns
Title: Thermal Microvalves
Atty. Docket No.: UM-04241 Sheet 1 of 12

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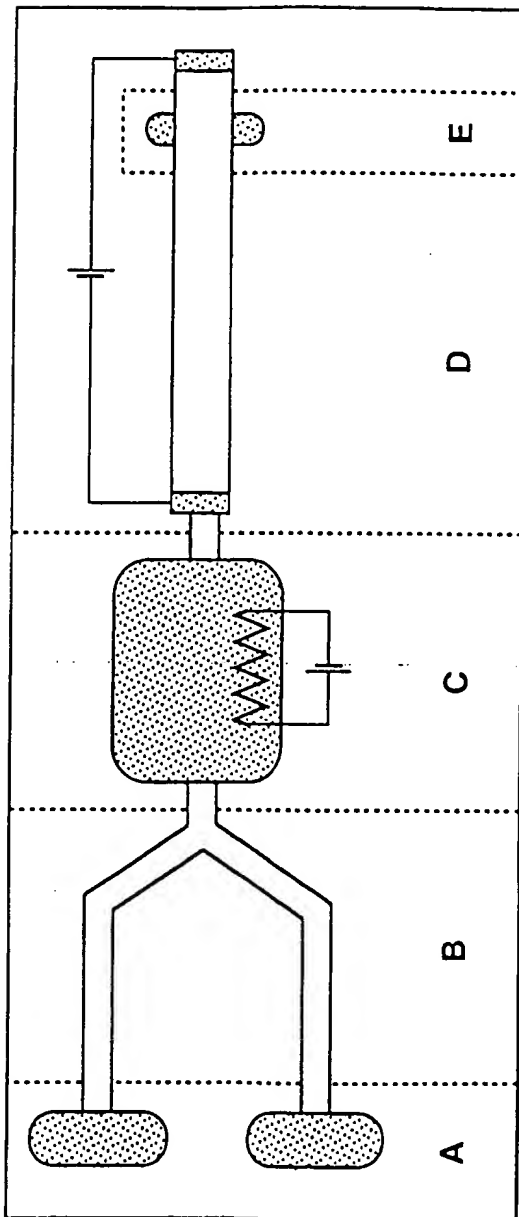


FIG. 1



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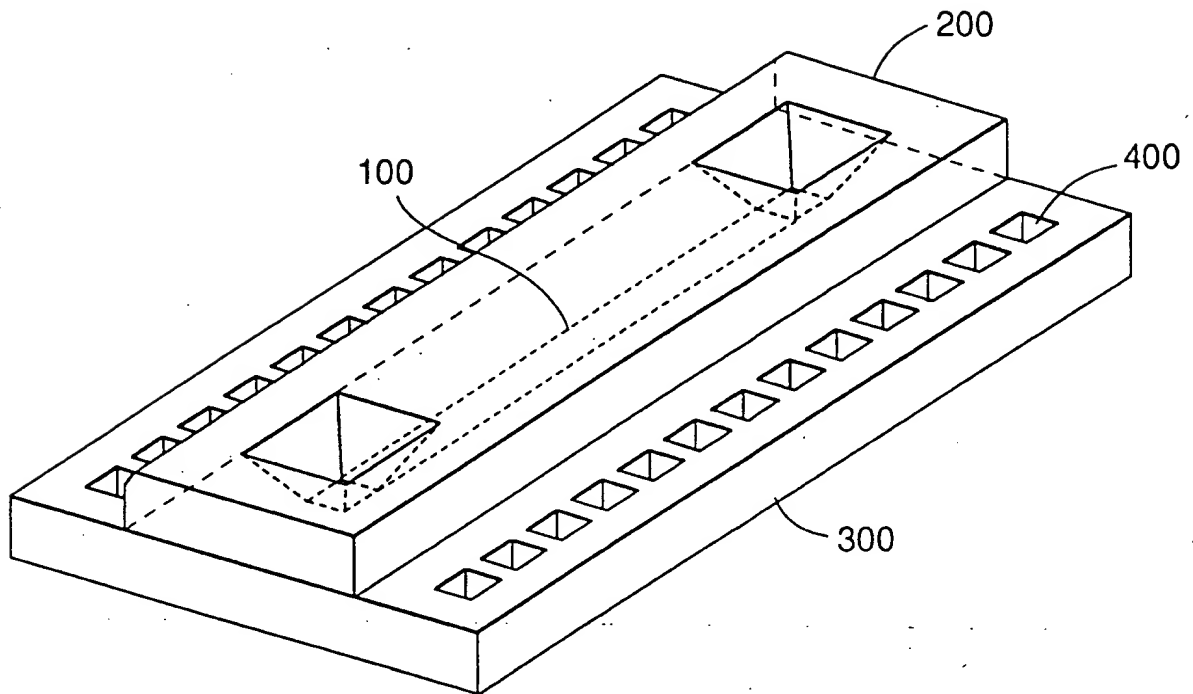


FIG. 2



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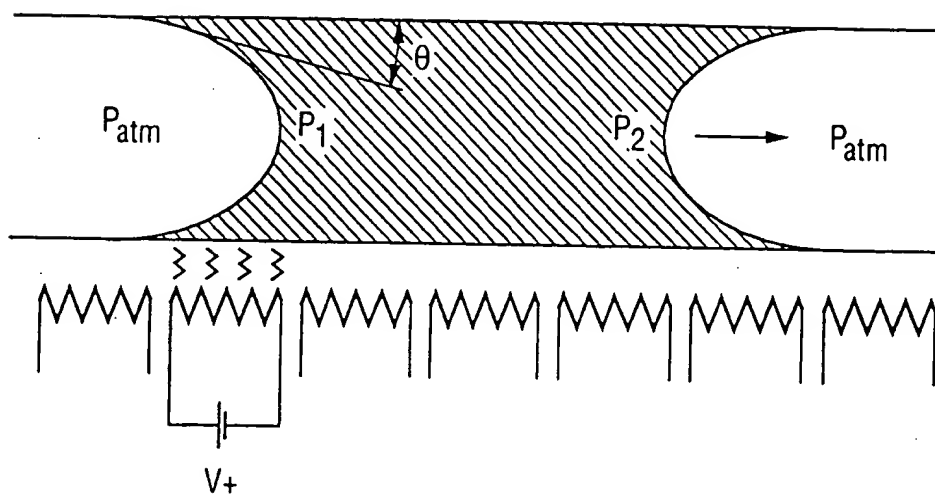
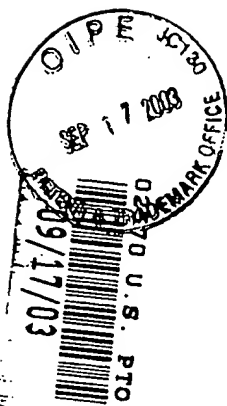


FIG. 3



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FIG. 4A

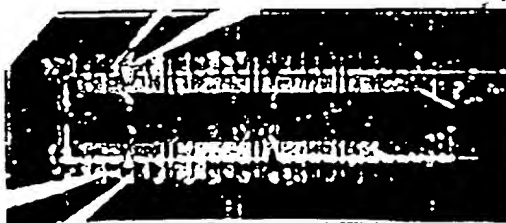


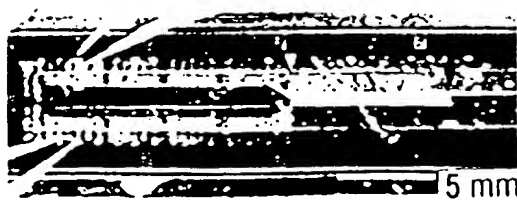
FIG. 4B



FIG. 4C



FIG. 4D



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FIG. 5A

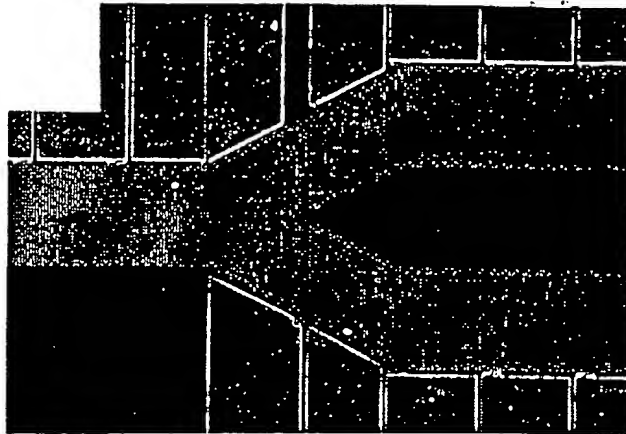


FIG. 5B

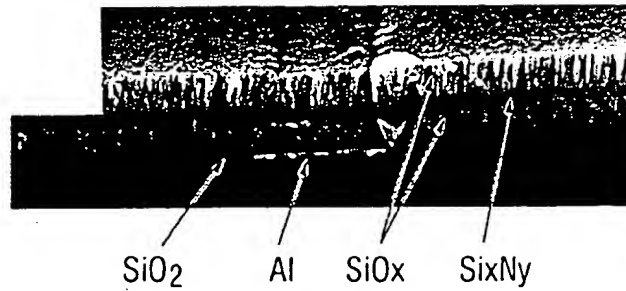
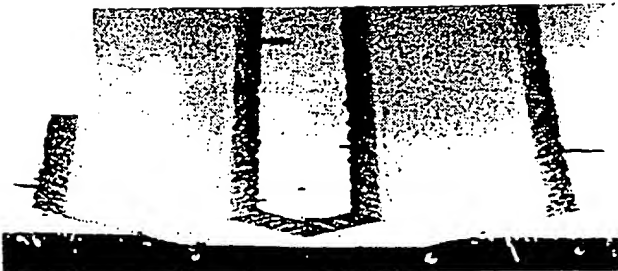


FIG. 5C



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FIG. 6A

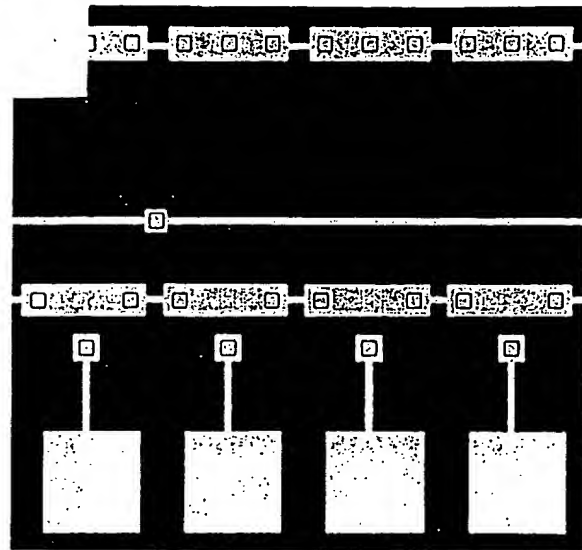


FIG. 6B

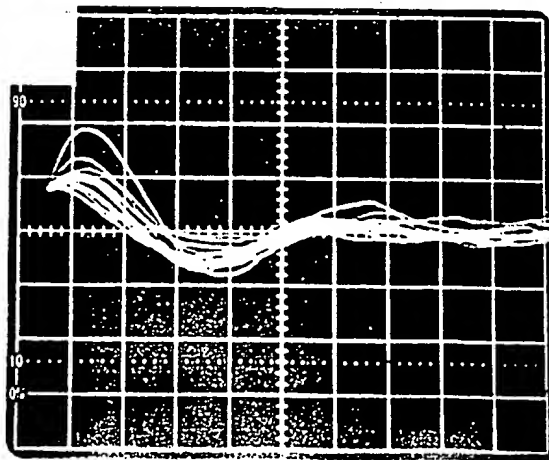


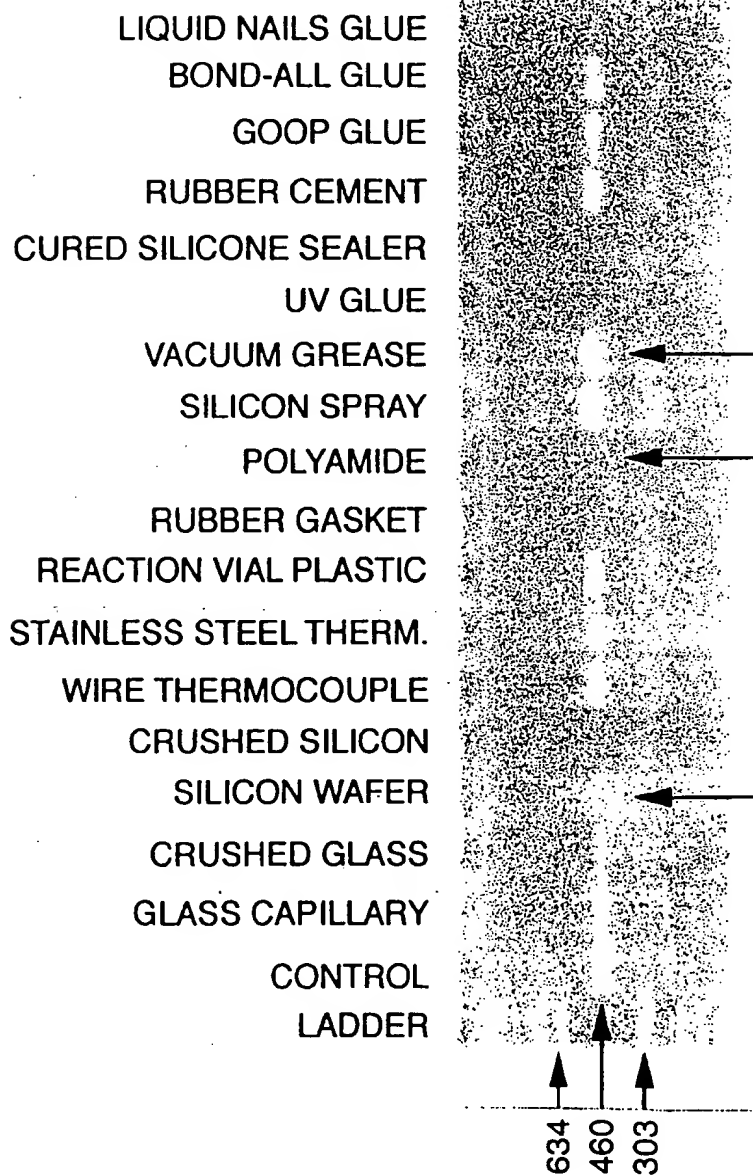
FIG. 6C

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PCR RESULTS WITH STANDARD REAGENT AMOUNTS

FIG. 7



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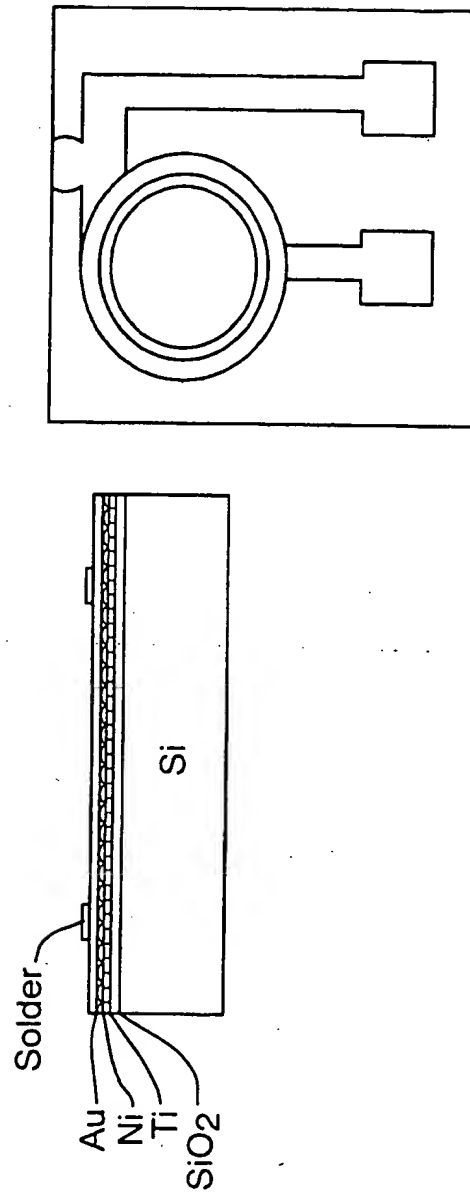
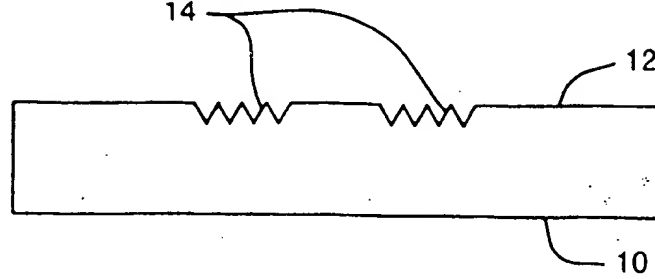


FIG. 8



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BEST AVAILABLE COPY FIG. 9A

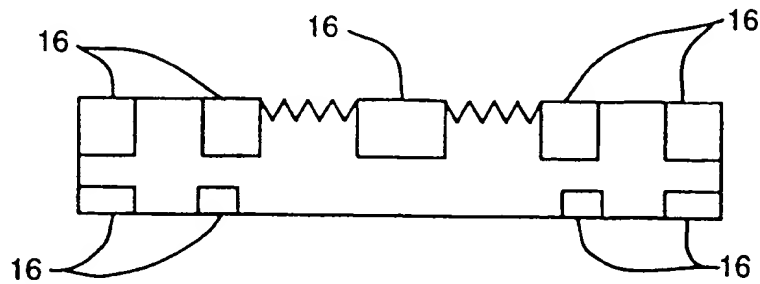


FIG. 9B

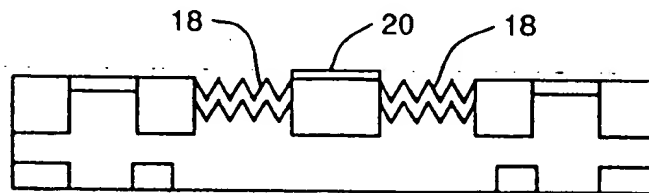


FIG. 9C

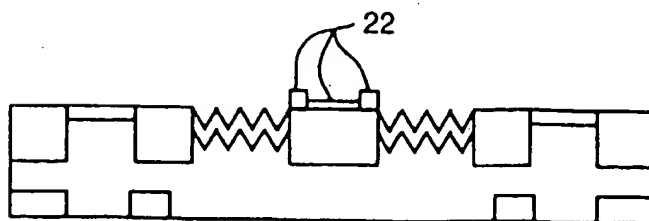


FIG. 9D

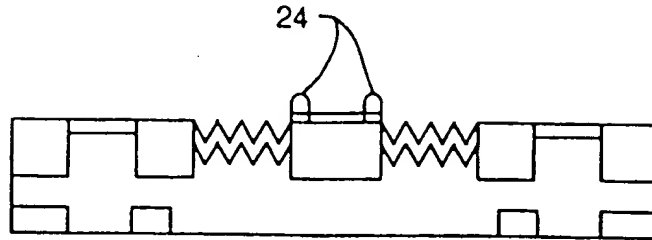


FIG. 9E

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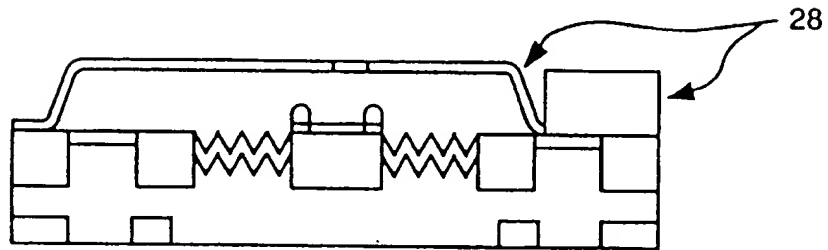


FIG. 9F

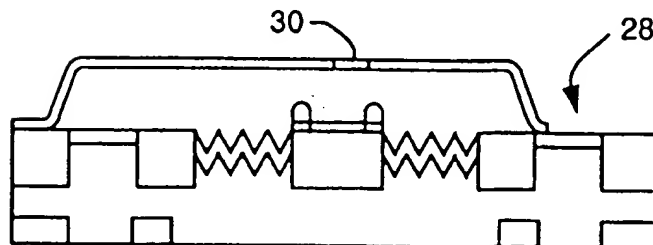


FIG. 9G



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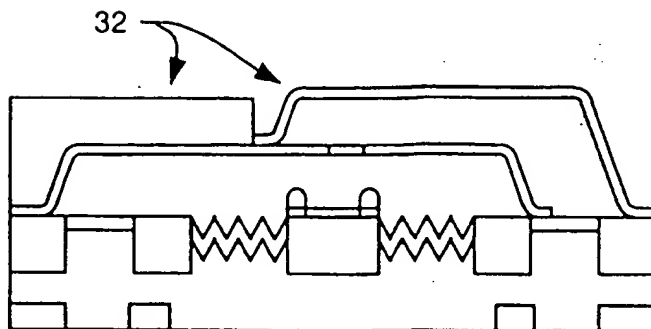


FIG. 9H

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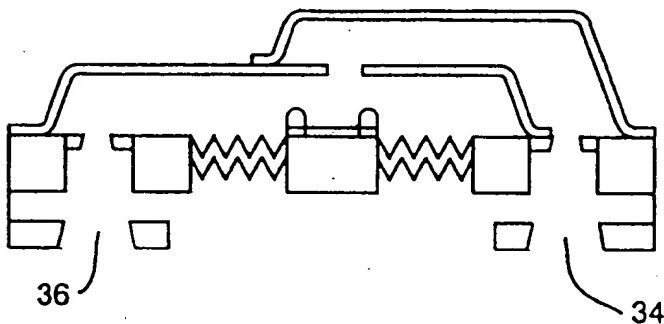


FIG. 9I

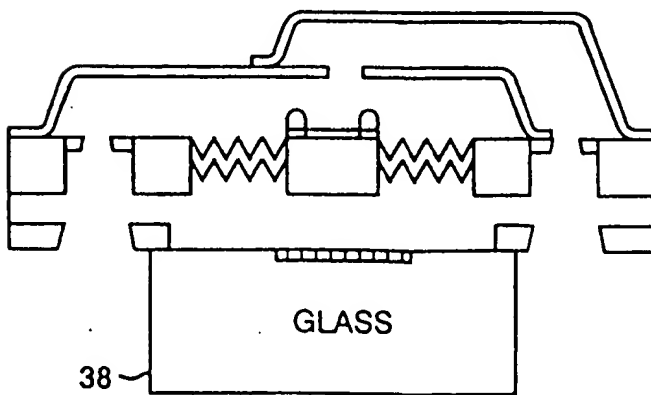


FIG. 9J



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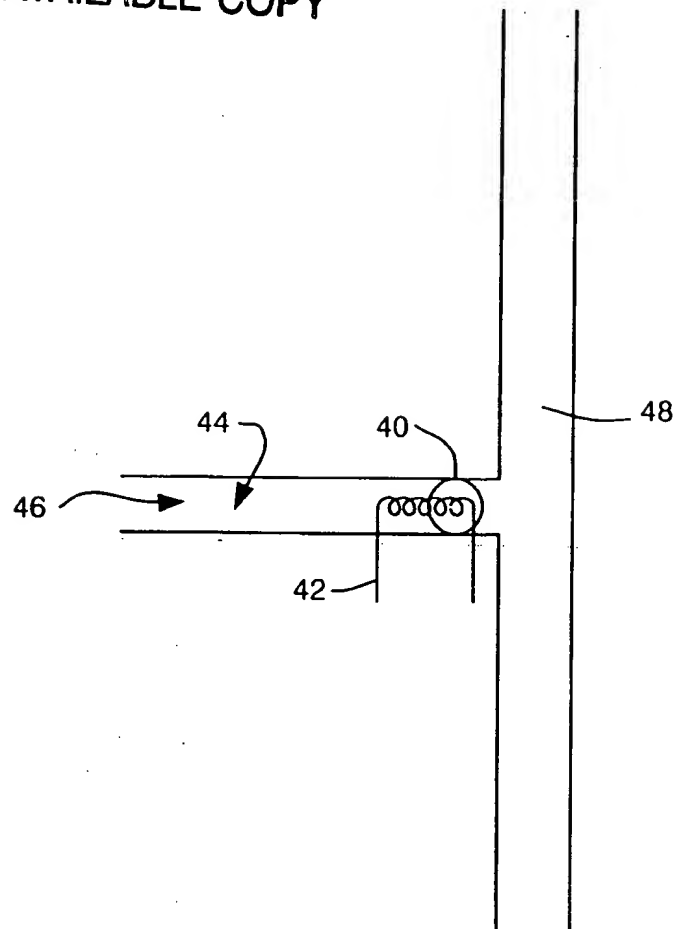


FIG. 10